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## ABSTRACT OF THE DISCLOSURE

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3     Waxes prepared from hydrogenated plant oils, such as palm and soybean, are used to  
4     render cellulosic materials resistant to water. Unlike cellulosic materials rendered water  
5     resistant with waxes obtained using petroleum-derived or synthetic waxes, the water  
6     resistant cellulosic materials prepared using this composition are recyclable using  
7     conventional paper recycling methods; the composition is dispersible in warm water  
8     solutions. Such water resistant materials are characterized by enhanced moisture barrier  
9     properties. The compositions have a low iodine value (between 2-5), and melting points  
10     between approximately 120-165 degrees F (Mettler Drop Point). The wax comprises a  
11     triglyceride whose fatty acids are predominantly stearic acid (C<sub>18</sub>). The composition is  
12     used as an additive in the manufacture of wax coated boxes and adhesive compounds  
13     used in boxboard packaging and manufacturing operations.